

ABSTRACT

A cooling fan 17 is arranged on the rear side of a twisting motor 9 of a reinforcing bar binder 1. The cooling fan is located on the axial line of the twisting motor so that cooling air effectively flows along the surface of the twisting motor and through within the twisting motor. A control unit on-off controls the cooling fan according to the temperature detected by a heat sensitive element 23 so as to actuate the cooling fan when a trigger signal is received at an interior temperature not lower than a reference value and to stop it after a predetermined time elapses. Thus, the temperature of the reinforcing bar binder can be controlled within a safe temperature range. Even if the reinforcing bar binder is run during a long time, a protecting circuit is not operated to forcibly stop the reinforcing bar binder. Further, in a cold environment, the cooling fan is not actuated so that the performance at a low temperature is not deteriorated and so power consumption can be also saved.